INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

January 28, 2004

TO: Interested Parties / Applicant

RE: MasterBrand Cabinets, Inc. -Decora-Plant #3 / 037-17789-00052

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 9/16/03

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January 28, 2004

Mr. Charles L. Volmer
MasterBrand Cabinets, Inc. - Decora - Plant #3
1491 Meridian Road
Jasper, IN 47547

Re: **037-17789**
Significant Source Modification to:
Part 70 Operating Permit No.: **T 037-5928-00052**

Dear Mr. Volmer:

MasterBrand Cabinets, Inc. was issued Part 70 Operating Permit T 037-5928-00052 on November 11, 2000 for a stationary wood kitchen, bath and entertainment center cabinet manufacturing operation. An application to modify the source was received on June 9, 2003. Pursuant to 326 IAC 2-7-10.5 the following emission unit is approved for construction at the source:

(b)(1) One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless

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modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(l) the emission unit constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

This significant source modification authorizes construction of the new emission unit. Operating conditions shall be incorporated into the Part 70 Operating Permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12. Operation is not approved until the significant permit modification has been issued.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter contact Michael S. Schaffer, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395, ext. 15 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments SSM and TSD
MSS/MES
cc: File - Dubois County
Dubois County Health Department
Southwest Regional Office
Air Compliance Section Inspector - Gene Kelso
Compliance Branch - Karen Ampil
Administrative and Development
Technical Support and Modeling - Michele Boner

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

MasterBrand Cabinets, Inc. - Decora - Plant #3
1491 Meridian Road
Jasper, Indiana 47547

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

First Significant Source Modification No: SSM 037-17789-00052	Conditions Affected: A.1, A.2 , D.2.4, and D.2.8 Condition Added: D.2.1 Sections Affected: D.1, D.2, D.3 and Report Forms
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: January 28, 2004

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
C.11 Monitoring Methods [326 IAC 3]

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]
C.14 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5]
C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]
C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]
C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS - Surface Coating operations

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]
D.1.2 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]
D.1.3 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]
D.1.4 Particulate Matter Emissions Limitations [326 IAC 6-1-2]
D.1.5 General Provisions Relating to HAPs [326 IAC 20-14] [40 CFR 63, Subpart A]
D.1.6 Wood Furniture NESHAP [40 CFR 63, Subpart JJ]
D.1.7 Work Practice Standards [40 CFR 63.803]
D.1.8 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.1.9 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
D.1.10 Volatile Organic Compounds (VOC)
D.1.11 VOC Emissions
D.1.12 Particulate Matter (PM)

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.13 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.14 Record Keeping Requirements
D.1.15 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Woodworking operations

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Limits [326 IAC 2-2]
D.2.2 Particulate Matter Emissions Limitations [326 IAC 6-1-2]
D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
D.2.5 Particulate Matter (PM)

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.6 Visible Emissions Notations
D.2.7 Baghouse Inspections
D.2.8 Broken Bag or Failure Detection

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

D.3 FACILITY OPERATION CONDITIONS - Five (5) Surface Coating Booths

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]
D.3.2 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]
D.3.3 Particulate Matter (PM) [326 IAC 6-1-2]
D.3.4 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A]
D.3.5 Wood Furniture NESHAP [40 CFR 63, Subpart JJ]
D.3.6 Work Practice Standards [40 CFR 63.803]
D.3.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.3.8 Volatile Organic Compounds (VOC)
D.3.9 VOC Emissions

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.10 Particulate Matter (PM)
D.3.11 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.12 Record Keeping Requirements
D.3.13 Record Keeping Requirements (40 CFR 63, Subpart JJ)
D.3.14 Reporting Requirements

Certification
Emergency/Deviation Occurrence Report
Semi-Annual Compliance Monitoring Report
Semi-Annual HAP Report
Quarterly Reports

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary wood kitchen, bath and entertainment center cabinet manufacturing operation.

Responsible Official:	Vice President of Semi-Custom Operations
Source Address:	1491 Meridian Road, Jasper Indiana 47547
Mailing Address:	1491 Meridian Road, Jasper Indiana 47547
SIC Code:	2434
County Location:	Dubois
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Sixteen (16) spray booths consisting of the following:

(1) Four (4) stain application booths, constructed in 1997, identified as STB1 - STB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks ST1 - ST6.

(2) Four (4) toner application booths, constructed in 1997, identified as TB1 - TB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacksT1 - T6.

(3) Four (4) sealer application booths, constructed in 1997, identified as SB1 - SB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks S1 - S4.

(4) Two (2) topcoat application booths, constructed in 1997, identified as TCB1 and TCB2, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks TC1 - TC2.

(5) One (1) parts booth, constructed in 1997, identified as PB1, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks P1 and P2.

(6) One (1) spray booth, constructed in 1986, identified as GB-1, with the ability to spray water-based glue in half of the booth and solvent-based primer in the other half, with a maximum capacity of 203 units per hour, with a maximum capacity of 203 units per

hour, and with emissions controlled be a dry filter and exhausting to stack SG1.

(b) Five (5) woodworking operations, consisting of the following:

(1) One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

(2) One (1) woodworking operation, constructed in 1997, identified as TDC Sanding, using a baghouse for particulate control, identified as MC4, exhausting to Stack TDC, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic feet at a flow rate of 61,000 acfm.

(3) One (1) woodworking operation, constructed in 1997, identified as MC11, using a baghouse for particulate control, exhausting to stack MU1, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic foot at a flow rate of 28,080 acfm.

(4) Two (2) woodworking operations, constructed in 1997, identified as SAC10 and SDC9, using a baghouse for particulate control, exhausting to stack MU2, capacity: 16,132 pounds of wood per hour to SAC 10, 2,850 pounds of wood per hour to SDC 9, and 0.01 grains per dry standard cubic foot at a flow rate of 41,600 acfm.

(c) Finish Line B

(1) One (1) surface coating booth, identified as SCB1-B, using high volume low pressure (HVLP) spray gums and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC1-B.

(2) One (1) surface coating booth, identified as SCB2-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC2-B.

(3) One (1) surface coating booth, identified as SCB3-2, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC3-B.

(4) One (1) surface coating booth, identified as SCB4-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC4-B.

(5) One (1) surface coating booth, identified as SCB5-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC5-B.

(6) Three (3) natural gas-fired ovens, identified as SC01-B, SC02-B and SC03-B rated at 0.500, 0.500 and 0.800 million British thermal units per hour, respectively, and three electric infrared ovens, identified as IR1-B, IR2-B and IR3-B. (deemed insignificant activities)

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have applicable requirements.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Sixteen (16) spray booths and Finish Line B:

(a) Sixteen (16) spray booths consisting of the following:

(1) Four (4) stain application booths, constructed in 1997, identified as STB1 - STB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks ST1 - ST6.

(2) Four (4) toner application booths, constructed in 1997, identified as TB1 - TB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacksT1 - T6.

(3) Four (4) sealer application booths, constructed in 1997, identified as SB1 - SB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks S1 - S4.

(4) Two (2) topcoat application booths, constructed in 1997, identified as TCB1 and TCB2, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks TC1 - TC2.

(5) One (1) parts booth, constructed in 1997, identified as PB1, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks P1 and P2.

(6) One (1) spray booth, constructed in 1986, identified as GB-1, with the ability to spray water-based glue in half of the booth and solvent-based primer in the other half, with a maximum capacity of 203 units per hour, with a maximum capacity of 203 units per hour, and with emissions controlled be a dry filter and exhausting to stack SG1.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets from all surface coating operations, except GB-1, shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to substrate by means of coating application equipment which operates between one-tenth (0.1) and ten

(10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Woodworking operations

(b) Five (5) woodworking operations, consisting of the following:

(1) One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

(2) One (1) woodworking operation, constructed in 1997, identified as TDC Sanding, using a baghouse for particulate control, identified as MC4, exhausting to Stack TDC, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic feet at a flow rate of 61,000 acfm.

(3) One (1) woodworking operation, constructed in 1997, identified as MC11, using a baghouse for particulate control, exhausting to stack MU1, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic foot at a flow rate of 28,080 acfm.

(4) Two (2) woodworking operations, constructed in 1997, identified as SAC10 and SDC9, using a baghouse for particulate control, exhausting to stack MU2, capacity: 16,132 pounds of wood per hour to SAC 10, 2,850 pounds of wood per hour to SDC 9, and 0.01 grains per dry standard cubic foot at a flow rate of 41,600 acfm.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Limits [326 IAC 2-2]

(a) The PM emission rate from the one (1) woodworking operation, identified as MC3, shall not exceed 5.23 pounds per hour, equivalent to 22.9 tons of PM per year and 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

(b) The PM10 emission rate from the one (1) woodworking operation, identified as MC3, shall not exceed 3.40 pounds per hour, equivalent to 14.9 tons of PM10 per year and 0.0065 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

Compliance with these limits renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.2.2 Particulate Rules: Particulate Emissions Limitations [326 IAC 6-1-2]

The particulate matter (PM) from all woodworking operations listed, shall each be limited to 0.03 grains per dry standard cubic foot (dscf) for each unit.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control device.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

Within 180 days of the startup of the one (1) woodworking operation, identified as MC3, in order to demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform PM and PM10 testing for the baghouse controlling the one (1) woodworking operation, identified as MC3, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM10 includes filterable and condensible PM10. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.5 Particulate Matter (PM)

The baghouses for all woodworking operations being used for PM control shall be in operation at all times the woodworking operations are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.6 Visible Emissions Notations

(a) Daily visible emission notations of the baghouse stack exhausts C2, TDC, MU1, and MU2, shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.2.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operations, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

D.2.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the

Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.6, the Permittee shall maintain records of daily visible emission notations of the baghouse stack exhausts.

(b) To document compliance with Condition D.2.7, the Permittee shall maintain records of the results of the inspections required under Condition D.2.7 and the dates the vents are redirected.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(c) Finish Line B

(1) One (1) surface coating booth, identified as SCB1-B, using high volume low pressure (HVLP) spray gums and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC1-B.

(2) One (1) surface coating booth, identified as SCB2-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC2-B.

(3) One (1) surface coating booth, identified as SCB3-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC3-B.

(4) One (1) surface coating booth, identified as SCB4-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC4-B.

(5) One (1) surface coating booth, identified as SCB5-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC5-B.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

(a) Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets in Finish Line B shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to substrate by means of coating application equipment which operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: MasterBrand Cabinets, Inc. - Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

? Annual Compliance Certification Letter

? Test Result (specify) _____

? Report (specify) _____

? Notification (specify) _____

? Affidavit (specify) _____

? Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: MasterBrand Cabinets, Inc. - Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

This form consists of 2 pages **Page 1 of 2**

? This is an emergency as defined in 326 IAC 2-7-1(12)
- ? The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- ? The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM_{10}, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL COMPLIANCE MONITORING REPORT

Source Name: MasterBrand Cabinets, Inc. - Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

? NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

? THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	**Number of Deviations**	**Date of each Deviation**

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Operating Report
Semi-Annual Report

VOC and VHAP usage - Wood Furniture NESHAP

Source Name: MasterBrand Cabinets, Inc. - Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facilities: Sixteen (16) Surface Coating Operations (Section D.1)
Parameter: VOC and HAPs - NESHAP
Limit: (1) Finishing operations - 0.8 lb VHAP/lb Solids
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinner mixtures - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 0.2 lb VHAP/lb Solids
(5) All other contact adhesives - 0.2 lb VHAP/lb Solids
(6) Strippable spray booth materials 0.8 pounds VOC per pound solids

Year: _____

Month	Finishing Operations (lb VHAP/lb Solid)	Thinners used for on-site formulation (% by weight)	All other thinner mixtures (% by weight)	Foam adhesives (upholstered) (lb VHAP/lb Solid)	Contact Adhesives (lb VHAP/lb Solid)	Strippable Spray Booth Material (lb VOC/lb Solid)
1						
2						
3						
4						
5						
6						

G No deviation occurred in this six month period.

G Deviations occurred in this six month period.
Deviation has been reported on:

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: MasterBrand Cabinets, Inc. - Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facilities: Sixteen (16) Surface Coating Operations (Section D.1), all woodworking operations, three (3) air make-up units and the UV coating booth, constructed in 1997
Parameter: VOC Usage
Limit: Less than 250 tons per year.

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

G No deviation occurred in this quarter.

G Deviations occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: MasterBrand Cabinets, Inc. - Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facilities: Five (5) surface coating booths, SCB1-B through SCB5-B (Finish LIne B)
Parameter: VOC Usage
Limit: Less than 250 tons per year

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

G No deviation occurred in this month.

G Deviations occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Operating Report
Semi-Annual Report

Source Name: MasterBrand Cabinets, Inc. - Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facilities: Five (5) surface coating booths, SCB-1-B through SCB5-B (Finish LIne B)
Parameter: VOC and HAPs - NESHAP
Limit:
(1) Finishing operations - 1.0 lb VHAP/lb Solids for stains and 0.8 lb VHAP/lb Solids for washcoats, sealers, topcots, basecoats and enamels.
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinner mixtures - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 0.2 lb VHAP/lb Solids
(5) All other contact adhesives - 0.2 lb VHAP/lb Solids
(6) Strippable spray booth materials - 0.8 pounds VOC per pound solids

Year: _____

Month	Finishing Operations (lb VHAP/lb Solid)	Thinners used for on-site formulation (% by weight)	All other thinner mixtures (% by weight)	Foam adhesives (upholstered) (lb VHAP/lb Solid)	Contact Adhesives (lb VHAP/lb Solid)	Strippable Spray Booth Material (lb VOC/lb Solid)
1						
2						
3						
4						
5						
6						

G No deviation occurred in this six month period.

G Deviations occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

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Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for Part 70
Significant Source and Permit Modifications

Source Background and Description

Source Name:	**MasterBrand Cabinets, Inc. - Decora - Plant #3**
Source Location:	**1491 Meridian Road, Jasper, Indiana 47547**
County:	**Dubois**
SIC Code:	**2434**
Operation Permit No.:	**T 037-5928-00052**
Operation Permit Issuance Date:	**November 11, 2000**
Significant Source Modification No.:	**SSM 037-17789-00052**
Significant Permit Modification No.:	**SPM 037-17442-00052**
Permit Reviewer:	**Michael S. Schaffer**

The Office of Air Quality (OAQ) has reviewed a modification application from MasterBrand Cabinets, Inc. - Decora - Plant #3 (formerly Decora - Plant #3) relating to the construction and operation of the following emission unit and pollution control device:

> One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 actual cubic feet per minute.

Note that this emission unit was initially permitted at Decora - Plant #3A by T 037-5929-00015, issued on November 15, 2000. Since the one (1) woodworking operation has been removed from that source and will be added to this source, the one (1) woodworking operation, identified as MC3 will be considered a new emission unit at this source.

In addition, as part of this modification, MasterBrand Cabinets, Inc. - Decora - Plant #3 has proposed to replace the existing baghouse for TDC Sanding with a baghouse identical to the proposed woodworking operation, identified as MC3. The one (1) woodworking operation identified as TDC Sanding will be listed in the equipment list for this modification as follows:

> One (1) woodworking operation, constructed in 1997, identified as TDC Sanding, using a baghouse for particulate control, identified as MC4, exhausting to Stack TDC, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic feet at a flow rate of 61,000 acfm.

History

On May 30 and June 9, 2003, MasterBrand Cabinets, Inc.- Decora - Plant #3 submitted applications to the OAQ requesting to change the responsible official, to add one (1) woodworking operation, with a baghouse for particulate control, and to replace an existing baghouse for one (1) of the existing woodworking operations. Decora - Plant #3 (now MasterBrand Cabinets, Inc.- Decora - Plant #3) was issued a Part 70 Operating Permit on November 11, 2000. AA 037-13574-00052 was issued on

February 9, 2001 to incorporate Finish Line B which was approved for construction and operation by SSM 037-12132-00052, issued on August 10, 2000.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (?F)
C2	One (1) Woodworking Operation (MC3)	Unknown	Unknown	61,000	70.0

Recommendation

The staff recommends to the Commissioner that the Part 70 Significant Source Modification be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

Applications for the purposes of this review were received on May 30 and June 9, 2003. Additional information was received on July 29, and August 7, and September 11, 2003.

Emission Calculations

See pages 1 and 2 of 2 of Appendix A of this document for detailed emissions calculations.

The replacement of the baghouse at the one (1) woodworking operation, identified as TDC Sanding, will not be considered a reconstruction or modification to the existing emission unit because the characteristics of the baghouse at TDC Sanding will remain unchanged, i.e., the efficiency and grain loading. Therefore, the emissions from TDC Sanding will not determine the level of permitting required by this modification. The potential to emit of the one (1) woodworking operation, identified as MC3, will determine the level of permitting required by this modification.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	2,290
PM_{10}	2,290
SO_2	-
VOC	-
CO	-
NO_X	-

Note that the potential to emit of the one (1) woodworking operation, identified as MC3, is based on 0.01 grains per dry standard cubic foot and a flow rate of 61,000 acfm with a baghouse control efficiency of 99.0%.

Justification for Modification

The Part 70 Operating Permit is being modified through a Part 70 Significant Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(f)(4), because this modification has an unrestricted potential to emit greater than twenty-five (25) tons of PM and PM_{10} per year. Pursuant to 326 IAC 2-7-10.5(d)(5)(C)(iii), this modification cannot be limited to less than twenty-five tons per year to qualify as a minor source modification under 326 IAC 2-7-10.5(d) because the unrestricted potential to emit of this modification exceeds the major PSD source thresholds.

Pursuant to 326 IAC 2-7-12(b)(1)(c), a modification where an emission limit determination has been made does not qualify for a minor permit modification. The addition of PSD Minor limits constitutes an emission limit determination to the operating permit. Therefore, the proposed operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification (SPM 037-17442-00052) in accordance with 326 IAC 2-7-12(d)(1) since PSD minor PM and PM_{10} emission limits will be added to this modification. The Significant Permit Modification will give the source approval to operate the proposed emission unit.

County Attainment Status

The source is located in Dubois County.

Pollutant	Status
PM_{10}	attainment
SO_2	attainment
NO_2	attainment
Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC

emissions are considered when evaluating the rule applicability relating to the ozone standards. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Dubois County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	**Emissions** (tons/year)
PM	Greater Than 250
PM_{10}	Greater Than 250
SO_2	Less Than 250
VOC	Greater Than 250
CO	Less Than 250
NO_X	Less Than 250

(a) This existing source is a major stationary source because an attainment regulated pollutant could be emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories. Actual emissions of each regulated pollutant for the past five (5) years have been less than 250 tons per year.

(b) These emissions are based upon Conditions D.1.2 and D.3.2 of AA 037-13574-00052, issued on February 9, 2001.

Note that even though Conditions D.1.2 and D.3.2 are titled PSD Minor limits, those conditions do not limit the potential to emit VOC from the entire source to less than 250 tons per year. Since the unrestricted potential to emit of the entire source is greater than 250 per year, this source is considered a major PSD source.

As a result, this permit modification is considered a Significant Permit Modification in accordance with 326 IAC 2-7-12(d)(1) in order require an emission limit on the one (1) woodworking operation, identified as MC3, that will assure that the PM emissions do not exceed twenty-five (25) tons per year, and PM_{10} emissions do not exceed fifteen (15) tons per year, which will render the requirements of a major PSD modification not applicable pursuant to 326 IAC 2-2.

Potential to Emit of Modification and Entire Source After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission unit after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)					
Process/facility	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**
One (1) Woodworking Operation (MC3) (Proposed Modification)	22.9	14.9	-	-	-	-
PSD Significant Level	25	15	40	40	100	40

This modification to an existing major stationary source is not major because the emissions from the one (1) woodworking operation, identified as MC3, will be limited to less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply to the entire source including this modification.

Federal Rule Applicability

(a) This significant permit modification does involve a pollutant-specific emissions unit as defined in 40 CFR 64.1 for PM and PM_{10}:

(1) with the potential to emit before controls equal to or greater than the major source threshold for PM and PM_{10};

(2) that is subject to an emission limitation or standard for PM and PM_{10}; and

(3) uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are applicable to this modification.

(b) The pollutant-specific emission unit is not a “large unit” as described in 40 CFR 64.5. Therefore, the owner or operator shall submit a CAM plan pursuant to 40 CFR 64 as part of the Part 70 renewal application.

(c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

(d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

Upon issuance of AA 037-13574-00052 on February 9, 2001, Sections D.1 for sixteen (16) surface coating operations and Section D.3 for Finish Line B contained two (2) separate 250 ton per year VOC limits. As a result, from February 9, 2001 to the present date this source has been operating as a major PSD source. Therefore, this modification will be accessed with respect to the PSD significant

levels for an existing major PSD source.

State Rule Applicability - Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

Since this source is considered a major PSD source and the unrestricted potential to emit of this modification is greater than twenty-five (25) tons of PM per year and fifteen(15) tons of PM_{10} per year, this source has elected to limit the potential to emit of this modification as follows:

(a) The PM emission rate from the one (1) woodworking operation, identified as MC3 will not exceed 5.23 pounds per hour, equivalent to 22.9 tons of PM per year and 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

(b) The PM_{10} emission rate from the one (1) woodworking operation, identified as MC3 will not exceed 3.40 pounds per hour, each, equivalent to 14.9 tons of PM and PM_{10} per year and 0.0065 grains per dry standard cubic foot at a flow rate of 61,000 acfm

Compliance with these emission limits will insure that the potential to emit from this modification does not exceed twenty-five (25) tons of PM per year as well as fifteen (15) tons of PM_{10} per year and renders the requirements of 326 IAC 2-2 not applicable.

326 IAC 6-1 (County Specific Particulate Matter Limitations)

Since this source is located in Dubois County, pursuant to 326 IAC 6-1-2(a), the PM emissions from the one (1) proposed woodworking operation, identified as MC3, will not exceed 0.03 grains per dry standard cubic foot.

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

The potential to emit PM from this source is limited by 326 IAC 6-1. Therefore, pursuant to 326 IAC 6-3-1(c)(3), the limitations of 326 IAC 6-3 are not applicable.

Testing Requirements

Since there are PM and PM_{10} emission rate limits to render the requirements of a major PSD modification not applicable to this modification, the following stack testing requirement will be incorporated into this modification:

Within 180 days of the startup of the one (1) woodworking operation, identified as MC3, in order to demonstrate compliance with the 326 IAC 6-1 and with limits for PM and PM_{10} on the one (1) woodworking operation, identified as MC3, the Permittee will perform PM and PM_{10} testing for the baghouse controlling woodworking operation, identified as MC3 utilizing methods as approved by the Commissioner. This test will be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules

contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

The one (1) proposed woodworking operation, identified as MC3 has applicable compliance monitoring conditions as specified below:

(a) Daily visible emissions notations of the one (1) proposed woodworking operation (MC3) stack exhaust C3 shall be performed during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

(b) An inspection shall be performed each calendar quarter of all bags controlling the one (1) woodworking operation (MC3) when venting to the atmosphere. A baghouse inspection shall be performed within three (3) months of redirecting vents to the atmosphere and every three (3) months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

(c) In the event that bag failure has been observed:

(1) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall

promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(2) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(d) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the baghouse associated with the one (1) proposed woodworking operation (MC3) must operate properly to ensure compliance with 326 IAC 2-2, 326 IAC 5-1, 326 IAC 6-1 and 326 IAC 2-7 (Part 70).

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary wood kitchen, bath and entertainment center cabinet manufacturing operation.

Responsible Official:	~~Mr. Paul Spivey~~ **Vice President of Semi-Custom Operations**
Source Address:	1491 Meridian Road, Jasper Indiana 47547
Mailing Address:	1491 Meridian Road, Jasper Indiana 47547
SIC Code:	2434~~, 2517~~
County Location:	Dubois
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program ~~Minor~~ **Major** Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Sixteen (16) spray booths **consisting of the following**:

(1) Four (4) stain application booths, constructed in 1997, identified as STB1 - STB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks ST1 - ST6.

(2) Four (4) toner application booths, constructed in 1997, identified as TB1 - TB4, with

a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacksT1 - T6.

(3) Four (4) sealer application booths, constructed in 1997, identified as SB1 - SB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks S1 - S4.

(4) Two (2) topcoat application booths, constructed in 1997, identified as TCB1 and TCB2, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks TC1 - TC2.

(5) One (1) parts booth, constructed in 1997, identified as PB1, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks P1 and P2.

(6) One (1) spray booth, constructed in 1986, identified as GB-1, with the ability to spray water-based glue in half of the booth and solvent-based primer in the other half, with a maximum capacity of 203 units per hour, with a maximum capacity of 203 units per hour, and with emissions controlled be a dry filter and exhausting to stack SG1.

~~(2)~~**(b) Five (5)** ~~W~~**w**oodworking operations, ~~identified as~~ **consisting of the following:**

(1) One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.

(2) One (1) ~~W~~woodworking operation, constructed in 1997, identified as TDC Sanding, using a baghouse for particulate control, ~~with a maximum capacity of 43,600 pounds of wood per hour and 0.01 acfm and 61,000 acfm~~ identified as MC4, exhausting to Stack TDC, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic feet ~~and~~ **at** a flow rate of 61,000 acfm.

(3) One (1) ~~W~~**w**oodworking operation~~s~~, constructed in 1997, identified as MC11, using a baghouse for particulate control, ~~with a maximum capacity of 27,481 pounds of wood per hour and 0.01 gr/dscf and 28,080 acfm~~ exhausting to stack MU1**, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic foot at a flow rate of 28,080 acfm**.

(4) Two (2) ~~W~~woodworking operations, constructed in 1997, identified as SAC10 and SDC9, using a baghouse for particulate control, ~~with a maximum capacity of 16,132 pounds of wood per hour to SAC10 and 2,850 pounds of wood per hour to SDC9 and 0.01 gr/dscf and 41,600 acfm~~ exhausting to stack MU2**, capacity: 16,132 pounds of wood per hour to SAC 10, 2,850 pounds of wood per hour to SDC 9, and 0.01 grains per dry standard cubic foot at a flow rate of 41,600 acfm**.

~~(3)~~ **(c)** Finish Line B

~~(a)~~ **(1)** One (1) surface coating booth, identified as SCB1-B, using high volume low pressure (HVLP) spray gums and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC1-B.

~~(b)~~ **(2)** One (1) surface coating booth, identified as SCB2-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC2-B.

~~(c)~~ **(3)** One (1) surface coating booth, identified as SCB3-2, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC3-B.

~~(d)~~ **(4)** One (1) surface coating booth, identified as SCB4-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC4-B.

~~(e)~~**(5)** One (1) surface coating booth, identified as SCB5-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC5-B.

~~(f)~~**(6)** Three (3) natural gas-fired ovens, identified as SC01-B, SC02-B and SC03-B rated at 0.500, 0.500 and 0.800 million British thermal units per hour, respectively, and three electric infrared ovens, identified as IR1-B, IR2-B and IR3-B. (deemed insignificant activities)

Note that the natural gas-fired and electric ovens are being removed because they are insignificant activities that are not specifically regulated.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Sixteen (16) spray booths:

(a) Sixteen (16) spray booths, consisting of the following:

~~(a)~~ **(1)** Four (4) stain application booths, constructed in 1997, identified as STB1-STB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks ST1-ST6.

~~(b)~~ **(2)** Four (4) toner application booths, constructed in 1997, identified as TB1-TB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacksT1-T6.

~~(c)~~ **(3)** Four (4) sealer application booths, constructed in 1997, identified as SB1-SB4, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks S1-S4.

~~(d)~~ **(4)** Two (2) topcoat application booths, constructed in 1997, identified as TCB1 and TCB2, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks TC1-TC2.

~~(e)~~ **(5)** One (1) parts booth, constructed in 1997, identified as PB1, with a maximum capacity of 203 units per hour, and with emissions controlled by dry filters and exhausting to stacks P1 and P2.

~~(f)~~	**(6)**	One (1) spray booth, constructed in 1986, identified as GB-1, with the ability to spray water-based glue in half of the booth and solvent-based primer in the other half, with a maximum capacity of 203 units per hour, and with emissions controlled be a dry filter and exhausting to stack SG1.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Woodworking operations~~, identified as:~~

(b) Five (5) ~~W~~**w**oodworking operations, **consisting of the following:**

(1) **One (1) woodworking operation, identified as MC3, equipped with a baghouse for particulate control, exhausting to stack C2, capacity: 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.**

~~(a)~~ **(2)** **One (1)** ~~W~~woodworking operation, constructed in 1997, identified as TDC Sanding, using a baghouse for particulate control, ~~with a maximum capacity of 43,600 pounds of wood per hour and 0.01 acfm and 61,000 acfm~~ **identified as MC4**, exhausting to Stack TDC, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic feet ~~and~~ **at** a flow rate of 61,000 acfm.

~~(b)~~ **(3)** **One (1)** ~~W~~**w**oodworking operation~~s~~, constructed in 1997, identified as MC11, using a baghouse for particulate control, ~~with a maximum capacity of 27,481 pounds of wood per hour and 0.01 gr/dscf and 28,080 acfm~~ exhausting to stack MU1**, capacity: 43,600 pounds of wood per hour and 0.01 grains per dry standard cubic foot at a flow rate of 28,080 acfm**.

~~(c)~~ **(4)** **Two (2)** ~~W~~woodworking operations, constructed in 1997, identified as SAC10 and SDC9, using a baghouse for particulate control, ~~with a maximum capacity of 16,132 pounds of wood per hour to SAC10 and 2,850 pounds of wood per hour to SDC9 and 0.01 gr/dscf and 41,600 acfm~~ exhausting to stack MU2**, capacity: 16,132 pounds of wood per hour to SAC 10, 2,850 pounds of wood per hour to SDC 9, and 0.01 grains per dry standard cubic foot at a flow rate of 41,600 acfm**.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Limits [326 IAC 2-2]

(a) **The PM emission rate from the one (1) woodworking operation, identified as MC3, shall not exceed 5.23 pounds per hour, equivalent to 22.9 tons of PM per year and 0.01 grains per dry standard cubic foot at a flow rate of 61,000 acfm.**

(b) **The PM_{10} emission rate from the one (1) woodworking operation, identified as MC3, shall not exceed 3.40 pounds per hour, equivalent to 14.9 tons of PM_{10} per year and 0.0065 grains per dry standard cubic foot at a flow rate of 61,000 acfm.**

Compliance with these limits renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.2.~~1~~**2** Particulate Rules: Particulate Emissions Limitations [326 IAC 6-1-2]

The particulate matter (PM) from all woodworking operations listed, shall each be limited to 0.03 grains per dry standard cubic foot (dscf) for each unit.

D.2.2~~3~~ Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for ~~this~~ **these** facilit~~y~~**ies** and any control device.

D.2.3~~4~~ Testing Requirements [326 IAC 2-7-6(1),(6)]

~~The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the particulate matter limit specified in Condition D.2.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing~~

Within 180 days of the startup of the one (1) woodworking operation, identified as MC3, in order to demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform PM and PM_{10} testing for the baghouse controlling the one (1) woodworking operation, identified as MC3, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.5 **6** Visible Emissions Notations

(a) Daily visible emission notations of the baghouse stack exhaust**s C2, TDC, MU1, and MU2,** shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

D.2.~~7~~ **8** Broken or Failed Bag Detection

In the event that bag failure has been observed:

~~(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.~~

~~(b) Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion.~~

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.2.~~8~~ **9** Record Keeping Requirements

(a) To document compliance with Condition D.2.~~5~~ **6**, the Permittee shall maintain records of daily visible emission notations of the baghouse stack exhaust**s**.

(b) To document compliance with Condition D.2.~~6~~ **7**, the Permittee shall maintain records of the results of the inspections required under Condition D.2.~~6~~ **7** and the dates the vents are redirected.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(c) Finish Line B

~~(a)~~ **(1)** One (1) surface coating booth, identified as SCB1-B, using high volume low pressure (HVLP) spray gums and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC1-B.

~~(b)~~ **(2)** One (1) surface coating booth, identified as SCB2-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC2-B.

~~(c)~~ **(3)** One (1) surface coating booth, identified as SCB3-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC3-B.

~~(d)~~ **(4)** One (1) surface coating booth, identified as SCB4-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC4-B.

~~(e)~~ **(5)** One (1) surface coating booth, identified as SCB5-B, using high volume low pressure (HVLP) spray guns and air assisted airless spray application, with emissions controlled by dry filters and exhausting to stack SC5-B.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: **MasterBrand Cabinets, Inc.** - Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

? Annual Compliance Certification Letter

? Test Result (specify) _____

? Report (specify) _____

? Notification (specify) _____

? Affidavit (specify) _____

? Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: **MasterBrand Cabinets, Inc.** - Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

This form consists of 2 pages **Page 1 of 2**

? ~~1.~~This is an emergency as defined in 326 IAC 2-7-1(12)
  ? The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
  ? The Permittee must submit notice in writing or by facsimile within two (**2**) **working** days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

? ~~2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c)~~
~~The Permittee must submit notice in writing within ten (10) calendar days~~

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL COMPLIANCE MONITORING REPORT

Source Name: **MasterBrand Cabinets, Inc. -** Decora – Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

? NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

? THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Operating Report
Semi-Annual Report

VOC and VHAP usage - Wood Furniture NESHAP

Source Name: **MasterBrand Cabinets, Inc. -** Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facility: **Sixteen (16)** Surface **C**oating **Operations** (Section D.1)
Parameter: VOC and HAPs - NESHAP
Limit: (1) Finishing operations - 0.8 lb VHAP/lb Solids
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinner mixtures - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 0.2 lb VHAP/lb Solids
(5) All other contact adhesives - 0.2 lb VHAP/lb Solids
(6) Strippable spray booth materials 0.8 pounds VOC per pound solids

Year: _____

Month	Finishing Operations (lb VHAP/lb Solid)	Thinners used for on-site formulation (% by weight)	All other thinner mixtures (% by weight)	Foam adhesives (upholstered) (lb VHAP/lb Solid)	Contact Adhesives (lb VHAP/lb Solid)	Strippable Spray Booth Material (lb VOC/lb Solid)
1						
2						
3						
4						
5						
6						

G No deviation occurred in this six month period.

G Deviations occurred in this six month period.
Deviation has been reported on:

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: **MasterBrand Cabinets, Inc. -** Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: T 037-5928-00052
Facilit~~y~~**ies**: Sixteen (16) surface coating operations **(Section D.1)**, all woodworking operations, three (3) air make-up units and the UV coating booth, constructed in 1997
Parameter: VOC ~~Limit~~ **Usage**
Limit: Less than 250 tons per year

YEAR: _____

Month	VOC **Usage** (tons)	VOC **Usage** (tons)	~~Column 1 + Column 2~~ **VOC Usage (tons)**
	This Month	Previous 11 Months	12 Month Total
~~Month 1~~			
~~Month 2~~			
~~Month 3~~			

G No deviation occurred in this quarter.

G Deviations occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 ~~Source Modification~~ Quarterly Report

Source Name: **MasterBrand Cabinets, Inc. -** Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: ~~037-12132-00052~~ **T 037-5928-00052**
Facilit~~y~~**ies**: Five (5) surface coating booths, SCB1-B through SCB5-B (Finish LIne B)
Parameter: VOC ~~delivered to the applicators~~ **Usage**
Limit: Less than 250 **tons per year**

YEAR: _____

Month	VOC **Usage** (tons)	VOC **Usage** (tons)	VOC **Usage** (tons)
	This Month	Previous 11 Months	12 Month Total

G No deviation occurred in this month.

G Deviations occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Operating Report
Semi-Annual Report

Source Name: **MasterBrand Cabinets, Inc. -** Decora - Plant #3
Source Address: 1491 Meridian Road, Jasper, Indiana 47547
Mailing Address: 1491 Meridian Road, Jasper, Indiana 47547
Part 70 Permit No.: ~~037-12132-00052~~ **T 037-5928-00052**
Facility~~ies~~: Five (5) surface coating booths, SCB-1-B through SCB5-B (Finish LIne B)
Parameter: VOC and HAPs - NESHAP
Limit:
(1) Finishing operations - 1.0 lb VHAP/lb Solids for stains and 0.8 lb VHAP/lb Solids for washcoats, sealers, topcoats, basecoats and enamels.
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinner mixtures - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 0.2 lb VHAP/lb Solids
(5) All other contact adhesives - 0.2 lb VHAP/lb Solids
(6) Strippable spray booth materials - 0.8 pounds VOC per pound solids

Year: _____

Month	Finishing Operations (lb VHAP/lb Solid)	Thinners used for on-site formulation (% by weight)	All other thinner mixtures (% by weight)	Foam adhesives (upholstered) (lb VHAP/lb Solid)	Contact Adhesives (lb VHAP/lb Solid)	Strippable Spray Booth Material (lb VOC/lb Solid)
1						
2						
3						
4						
5						
6						

G No deviation occurred in this six month period.

G Deviations occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Conclusion

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 037-17789-00052 and Significant Permit Modification No. 037-17442-00052.

Appendix A: Emission Calculations
Woodworking Operations Baghouses

Company Name: **MasterBrand Cabinets, Inc. - Decora Plant 3**
Address City IN Zip: **1491 Meridian Road, Jasper, Indiana 47547**
Significant Source Modification: **037-17789**
Significant Permit Modification: **037-17442**
Plt ID: **037-00052**
Reviewer: **Michael S. Schaffer**
Date: **May 30, 2003**

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate before Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
MC3	99.0%	0.01	61000	522.9	2290.1	5.23	22.9

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Company Name: **MasterBrand Cabinets, Inc. - Decora Plant 3**
Address City IN Zip: **1491 Meridian Road, Jasper, Indiana 47547**
Significant Source Modification: **037-17789**
Significant Permit Modification: **037-17442**
Plt ID: **037-00052**
Reviewer: **Michael S. Schaffer**
Date: **June 9, 2003**

Unit ID	Number of Emission Units	Limited Grain Loading per Cubic foot of Outlet Air After Modification (grains/cub. ft.) (326 IAC 2-2)	Gas or Air Flow Rate (acfm.)	**Limited PM-10 Emission Rate after Controls (lb/hr)**	**Limited PM-10 Emission Rate after Controls (tons/yr)**
MC3	1	0.0065	61000	**3.40**	**14.9**

Note that the limit to render the requirements of Major PSD Modification not applicable will be written as lb/hr limits equivalent to # of grains/cub.ft at a specific flow rate.

Emission Rate for each booth in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)*Number of Emission Units